

APPENDIX 2

There are two basic types of AvPrograms that represent individual broadcast programs: *hcsBrdCstAudioAvPrg*, and *hcsBrdCstVideoAvPrg*. These types are sub-classes of both *hcsBrdCstAvPrg* and thus identify AvProgram types (*hcsAvProgTypeId*). These types (together) are used to represent types of Av broadcast programming.



In order to represent groups of related channels or stations two more types of AvProgram, *hcsBrdCstAudioGrpAvPrg*, and *hcsBrdCstVideoGrpAvPrg* are defined. These are used to aggregate sets of "channels" into a higher level program just as a CD does for CD tracks. This allows a related group of channels to be configured as a set (*e.g.*, all cable TV channels) and "played" as a whole. This approach allows, at the PlayerRecorder MCI level, channels to be switched between just as tracks on a CD are switched now.

MediaManager AvProgram location ids have the form of:
hcsAvPrgIsInMediaMgr. <mmId> . <location in mm> .

The *mmId* field is a unique number that represents an instance of an MediaManager within a system. This number is used by the central MediaManager (only one per installation) to forward program load requests to the appropriate MediaManager. The actual format of the *<location in mm>* field is specific to the actual type of AvProgram. For typical JukeBox (a kind of MediaManager) this is a number that maps to a slot in the jukebox. The location id of an AvProgram is unique - an instance of an AvProgram has a unique location in SpaceTime.

Location Id format: *hcsBrdCstAudioGrpAvPrg*

The *<location in mm>* field for *hcsBrdCstAudioGrpAvPrg* AvPrograms has the following values:

- 0 - AM radio signal group
- 1 - FM radio signal group
- 2 - DMX audio signal group

NOTE: All sub-programs are of the same type.

Location Id format: *hcsBrdCstVideoGrpAvPrg*

The *<location in mm>* field for *hcsBrdCstVideoGrpAvPrg* AvPrograms has the following values:

- 0 - CATV signal group

- 1 - Antenna signal group
- 2 - DSS signal group

NOTE: All sub-programs are of the same type.

Location Id format: *hcsBrdCstAudioAvPrg*

The *<location in mm>* field for *hcsBrdCstAudioAvPrg* AvPrograms has the following format:

<type> . <freq> [. <time>]

where:

<type> : 0 - AM radio station
 1 - FM radio station
 2 - DMX audio station
<freq> : Station frequency in kilohertz
<time> : Optional. Specifies a time range for the
 program. If not present, forever should be assumed.

Location Id format: *hcsBrdCstVideoAvPrg*

The *<location in mm>* field for *hcsBrdCstVideoAvPrg* AvPrograms has the following format:

<type> . <chan> [. <time>]

where:

<type> : 0 - CATV channel
 1 - Antenna TV channel
 2 - DSS channel
<chan> : Channel number
<time> : Optional.. Specifies a time range for the
 program. If not present, forever should be assumed.